

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

P3NE
REVISION 13
McCAULEY
4HFR34C(6--)
4HFR34C(7--)
4JFR34C(7--)
4JFR36C(7--)
December 7, 2004

TYPE CERTIFICATE DATA SHEET NO. P3NE

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. P3NE and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with the pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder: McCauley Propeller Systems
7751 East Pawnee
Wichita, KS 67207

Type Constant speed, full feathering and reversing; hydraulic (see Note 4)
Engine Shaft Special flange (see Note 1)
Hub Material Aluminum Alloy
Blade Material Aluminum Alloy
No. of Blades Four
Hubs Eligible 4HFR34C652, 4HFR34C653, 4HFR34C660, 4HFR34C661, 4HFR34C662, 4HFR34C663, 4HFR34C664, 4HFR34C665, 4HFR34C752, 4HFR34C754, 4HFR34C755, 4HFR34C756, 4JFR34C758, 4HFR34C760, 4HFR34C761, 4HFR34C762, 4HFR34C763, 4HFR34C764, 4HFR34C766, 4HFR34C768, 4HFR34C769, 4HFR34C771, 4JFR36C772, 4HFR34C773, 4HFR34C774, 4HFR34C775

Blade	Maximum <u>Continuous</u> HP RPM		<u>Take-Off</u> HP RPM		Diameter Limits (See Note 2)	Approx. Max. Wt. Complete (For Ref. Only)
L106L[X]-0 to -6	1250	1591	<u>Hub Model 4HFR34C652</u> 1250 1591		106" - 100"	168 Lbs.
L106F[X]-0 to -6	1250	1591	<u>Hub Model 4HFR34C653</u> 1250 1591		106" - 100"	168 Lbs.
L90G[X]-0 to -6	635.5	1591	<u>Hub Model 4HFR34C660</u> 635.5 1591		90" - 84"	141 Lbs.

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Blade	Maximum <u>Continuous</u>		<u>Take-Off</u>		Diameter Limits (See NOTE 2)	Approx. Max. Wt. Complete (For Ref. Only.)
	HP	RPM	HP	RPM		
90LN[X]-0 to -6	715	2000	<u>Hub Model 4HFR34C661</u> 750 2000		90" - 84"	135 Lbs.
L108F[X]-0 to -6	900	1591	<u>Hub Model 4HFR34C662</u> 925 1591		108" - 102"	170 Lbs.
L106L[X]-0 to -6	1250	1591	<u>Hub Model 4HFR34C663</u> 1250 1591		106" - 100"	168 Lbs.
L106L[X]-0 to -6	1000	1591	<u>Hub Model 4HFR34C664</u> 1000 1591		106" - 100"	168 Lbs.
106L[X]-0 to -6	1300	1700	<u>Hub Model 4HFR34C752</u> 1300 1700		106" - 100"	156 Lbs.
94L[X]-0 to -6	850	2000	<u>Hub Model 4HFR34C754 and 4HFR34C755</u> 850 2000		94" - 88"	146 Lbs.
106LM[X]-0 to -6	1000	1700	<u>Hub Model 4HFR34C756</u> 1000 1700		106" - 100"	156 Lbs.
106LN[X]+2 to -6	1550	1700	<u>Hub Model 4JFR34C758</u> 1550 1700		108" - 100"	165 Lbs.
95D[X]-0 to -8	900	2000	<u>Hub Model 4HFR34C760</u> 900 2000		95" - 87"	146 Lbs.
L95D[X]-0 to -8	900	2000	<u>Hub Model 4HFR34C761</u> 900 2000		95" - 87"	146 Lbs.
94LM[X]-4 to -10	700	2200	<u>Hub Model 4HFR34C762</u> 700 2200		90" - 84"	133 Lbs.
94LM[X]-4 to -10	550	2200	<u>Hub Model 4HFR34C763</u> 550 2200		90" - 84"	133 Lbs.

Blade	Maximum <u>Continuous</u>		<u>Take-Off</u>		Diameter Limits (See NOTE 2)	Approx. Max. Wt. Complete (For Ref. Only.)
	HP	RPM	HP	RPM		
<u>Hub Model 4HFR34C764 and 4HFR34C768</u>						
94LM[X]-0 to -10	700	2200	700	2200	94" - 84"	135 Lbs.
<u>Hub Model 4HFR34C766</u>						
94LN[X]-2 to -10	700	2200	700	2200	92" - 84"	135 Lbs.
<u>Hub Model 4HFR34C769 and 4HFR34C773</u>						
94LM[X]-0 to -10	715	2200	715	2200	94" - 84"	135 Lbs.
<u>Hub Model 4HFR34C771</u>						
94L[X]-0 to -6	850	2080	850	2080	94” – 88”	146 Lbs.
<u>Hub Model 4HFR34C775</u>						
96MG[X]-0 to -8	750	2200	750	2200	96” – 88”	140 Lbs.
<u>Hub Model 4JFR36C772</u>						
112GC[X]-2 to -12	1500	1700	1500	1700	110”- 100”	185 Lbs.
<u>Hub Model 4HFR34C774</u>						
94LP[X]-0 to -6	850	2000	850	2000	94”- 88”	135 Lbs.

Certification Basis

Model 4HFR34C652 type certificated under 14 Code of Federal Regulations (CFR) Part 35 effective October 14, 1980, with Amendments 1 through 5. Type Certificate No. P3NE issued May 11, 1983. Date of Application for Type Certificate December 3, 1981.

Model 4HFR34C752 type certificated under 14 CFR Part 35 effective October 14, 1980 with Amendments 1 through 5. Type Certificate No. P3NE issued May 11, 1983. Date of Application for Type Certificate May 26, 1982, Amended March 18, 1983.

Model 4HFR34C754 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on January 11, 1984.

Model 4HFR34C755 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on February 28, 1986.

Model 4HFR34C660 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on April 28, 1986.

Model 4JFR34C758 type certificated under 14 CFR Part 35 effective October 14, 1980, with Amendments 1 through 5 issued December 31, 1987.

Model 4HFR34C763 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on February 26, 1988.

Model 4HFR34C756 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on April 29, 1988.

Model 4HFR34C653 type certificated under 14 CFR Part 35 effective October 14, 1980 with Amendments 1 through 5 issued December 31, 1988.

Model 4HFR34C762 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on September 17, 1987 and again with revised ratings on January 30, 1989.

Model 4HFR34C764 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on April 15, 1989.

Model 4HFR34C760 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on January 29, 1990.

Model 4HFR34C761 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 5 effective October 14, 1980, on January 29, 1990.

Model 4HFR34C766 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on March 13, 1991.

Model 4HFR34C768 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on April 1, 1991.

Model 4HFR34C769 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on September 30, 1991.

Model 4HFR34C771 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on May 12, 1992.

Model 4HFR34C661 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on July 7, 1992.

Model 4HFR34C662 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on February 23, 1995.

Model 4HFR34C663/L106KA type certificated under 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on August 8, 1996.

Model 4HFR34C773 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 with Amendments 1 through 6 effective August 18, 1990, on September 4, 1996.

Model 4HFR34C775 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 effective August 18, 1990 with Amendments 1 through 6 on February 25, 1999.

Model 4HFR34C665 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, of the 14 CFR Part 35 effective August 18, 1990 with Amendments 1 through 6 on August 11, 1999.

Model 4HFR34C664 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 21, Subpart J, on February 23, 1995.

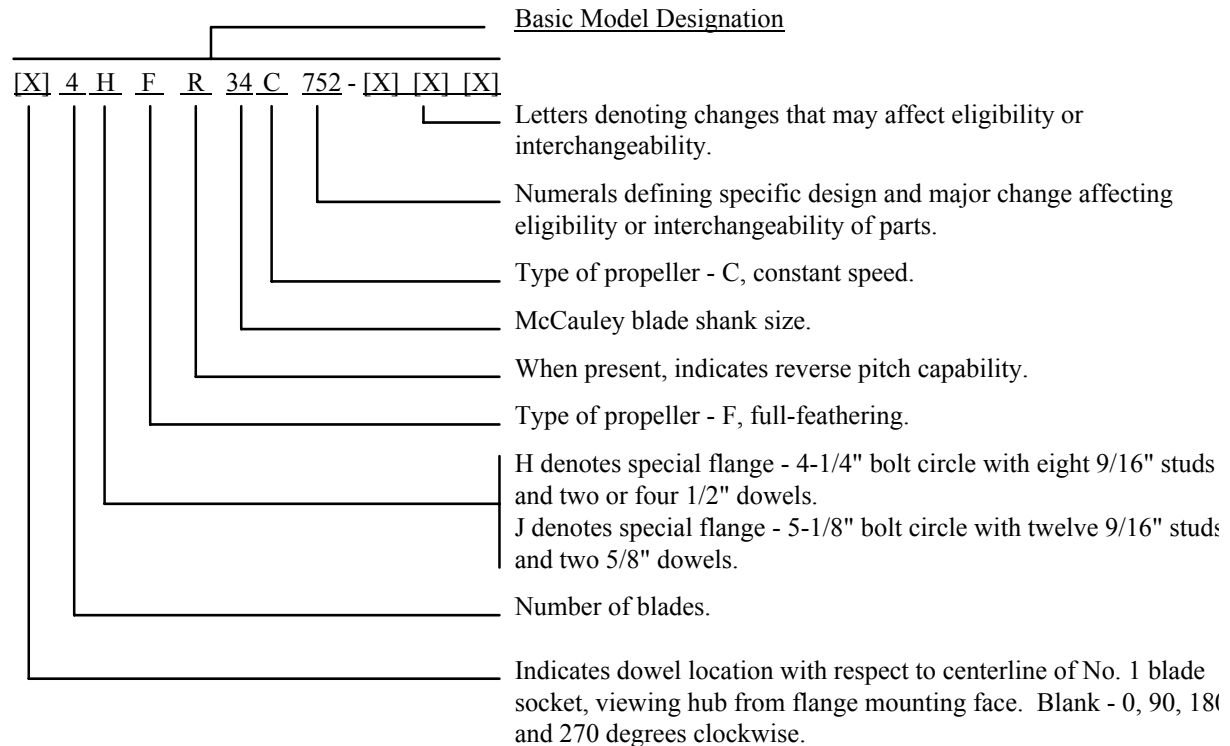
Model 4JFR36C772 type certificated under 14 CFR Part 35 effective August 18, 1990 with Amendments 1 through 6.

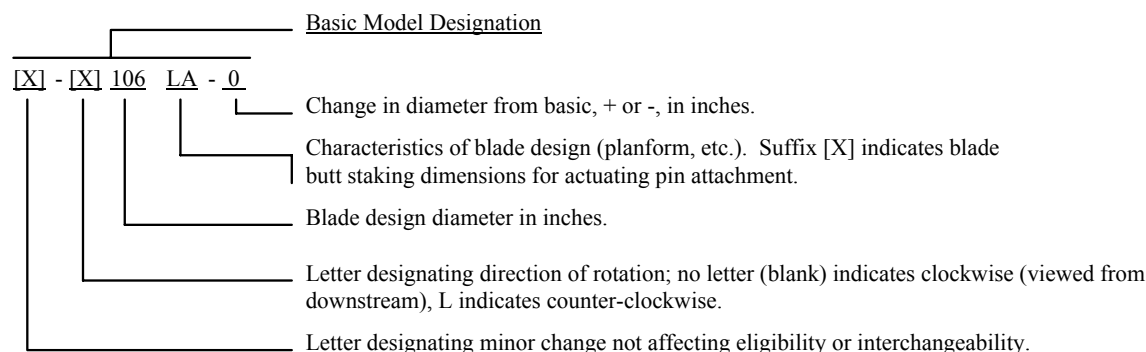
Model 4HFR34C774 type certificated under Delegation Option Authorization Provision of 14 CFR Part 21, Subpart J, on May 14, 1997.

Production Basis

Production Certificate No. 3

NOTE 1. Hub Model Designation.



NOTE 2. Blade Model Designation.

NOTE 3. Not applicable.

NOTE 4. Feathering. All propeller models are approved for feathering and unfeathering capability when installed with appropriate feather/unfeathering controls.Reversing. All propeller models are approved for installation with appropriate reversing controls.NOTE 5. Left Hand Models. The left hand version of an approved model propeller is approved at the same rating and diameter limitations as listed for the right hand model.

NOTE 6. Not applicable.

NOTE 7. Accessories.

a. Propeller Anti-icing

- (1) Model 4HFR34C652/L106L[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5322.
- (2) Model 4HFR34C653/L106F[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-6401.
- (3) Model 4HFR34C660/L90G[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5322.
- (4) Model 4HFR34C661/90LN[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-6817.
- (5) Model 4HFR34C662/L108F[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-6401.
- (6) Model 4HFR34C663/L106K[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-6401.
- (7) Model 4HFR34C665/L106FR[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-7627.
- (8) Model 4HFR34C752/106L[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5410.
- (9) Model 4HFR34C754/94L[X] and 4HFR34C755/94L[X] are eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5550.

- (10) Model 4HFR34C756/106LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-5707.
- (11) Model 4JFR34C758/106LN[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5745.
- (12) Model 4HFR34C760/95D[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6120.
- (13) Model 4HFR34C762/94LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and drawing E-5550.
- (14) Model 4HFR34C763/94LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6223.
- (15) Model 4HFR34C764/94LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6314.
- (16) Model 4HFR34C766/94LN[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6720.
- (17) Model 4HFR34C768/94LM[X] and 4HFR34C771/94L[X] are eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6790.
- (18) Model 4HFR34C769/94LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6790.
- (19) Model 4HFR34C773/94LM[X] is eligible with McCauley deicers, P/N B-40183 or B-40245 series, installed per McCauley Specification MC-2611 and McCauley drawing E-6790.
- (20) Model 4HFR34C664/L106LA with McCauley deicer, P/N B-40183-07, installed per McCauley Specification MC-2611 and McCauley drawing E-6401.
- (21) Model 4JFR36C772/112GCA with McCauley deicer, P/N B-40245-54, installed per McCauley Specification MC-2611 and McCauley drawing E-7320.

b. Propeller Spinner

- (1) Model 4HFR34C652/L106L[X] with spinner, reference McCauley drawing E-5322.
- (2) Model 4HFR34C653/L106F[X] with spinner, reference McCauley drawing E-6401.
- (3) Model 4HFR34C660/L90G[X] with spinner, reference McCauley drawing E-5322.
- (4) Model 4HFR34C661/90LN[X] with spinner, reference McCauley drawing E-6817.
- (5) Model 4HFR34C662/L108F[X] with spinner, reference McCauley drawing E-6401.
- (6) Model 4HFR34C663/L106K[X] with spinner, reference McCauley drawing E-6401.
- (7) Model 4HFR34C665/L106FR[X] with spinner, reference McCauley drawing E-7627.
- (8) Model 4HFR34C752/106L[X] with spinner, reference McCauley drawing E-5410.
- (9) Models 4HFR34C754/94L[X], 4HFR34C755/94L[X] and 4HFR34C771/94L[X] with spinner, reference McCauley drawing E-5550 and E-6790.

- (10) Model 4HFR34C755/94L[X] with spinner, reference McCauley drawing E-5550.
- (11) Model 4HFR34C756/106LM[X] with spinner, reference McCauley drawing E-5707.
- (12) Model 4JFR34C758/106LN[X] with spinner, reference McCauley drawing E-5745.
- (13) Model 4HFR34C760/95D[X] with spinner, reference McCauley drawing E-6120.
- (14) Model 4HFR34C761/L95D[X] with spinner, reference McCauley drawing E-6122.
- (15) Model 4HFR34C762/94LM[X] with spinner, reference McCauley drawing E-5550.
- (16) Model 4HFR34C763/94LM[X] with spinner, reference McCauley drawing E-6223.
- (17) Model 4HFR34C764/94LM[X] with spinner, reference McCauley drawing E-6314.
- (18) Model 4HFR34C766/94LN[X] with spinner, reference McCauley drawing E-6720.
- (19) Model 4HFR34C768/94LM[X] with spinner, reference McCauley drawing E-6790.
- (20) Model 4HFR34C769/94LM[X] with spinner, reference McCauley drawing E-6790.
- (21) Model 4HFR34C773/94LM[X] with spinner, reference McCauley drawing E-6790.
- (22) Model 4HFR34C775/96MG[X] with spinner, reference McCauley drawing E-6790.
- (23) Model 4HFR34C664/L106LA with electric deicer spinner, reference McCauley drawing E-5369.
- (24) Model 4JFR36C772/112GCA with electric deicer spinner, reference McCauley drawing E-7326.
- (25) Model 4HFR34C774/94LPA with electric deicer spinner, reference McCauley drawing E-6756.

NOTE 8. Not applicable.

NOTE 9. Special Limits. Please reference the airworthiness limitations section of the appropriate Service and Operator's manuals. Propeller models 4HFR34C761/L95D[X], 4HFR34C663/L106K[X] and 4HFR34C665/L106FR[X] contain life limited parts.

NOTE 10. Special Notes. Aircraft installation must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.

NOTE 11. Propeller model 4HFR34C663/L106F[X] and its associated data, approved April 19, 1996, has been removed from this Type Certificate Data Sheet as of revision 10, since no propellers of this model were produced.

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